

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 07-240198

(43)Date of publication of application : 12.09.1995

(51)Int.Cl.

H01M 2/10
A46B 13/02
A61C 17/22

(21)Application number : 06-029998

(71)Applicant : SANYO ELECTRIC CO LTD

(22)Date of filing : 28.02.1994

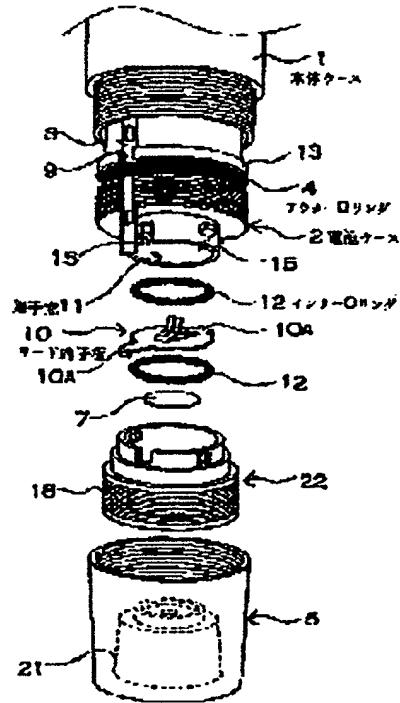
(72)Inventor : SATO KATSUNORI

(54) BATTERY INCORPORATING WATERPROOF STRUCTURAL PORTABLE ELECTRICAL APPLIANCE

(57)Abstract:

PURPOSE: To surely prevent gas leak from a battery case to a main body case 1, and efficiently mass-produce at low cost.

CONSTITUTION: A portable electrical appliance has a built-in battery case 2 within a main body case 1. An outer O-ring 4 is arranged between the battery case 2 and the main body case 1. A terminal window 11 for drawing out a lead terminal plate 10 to the outside of the battery case 2 is opened in the battery case 2. An inner O-ring 12 is arranged in the battery case 2 along the periphery of the terminal window 11. The inner O-ring 12 is water-proofly fixed to the periphery of the terminal window 11 through the lead terminal plate 10. The inner O-ring 12 is interposed between the surface of the lead terminal plate 10 and the periphery of the terminal window 11, and the lead terminal plate 10 waterproofly seals the terminal window 11 of the battery case 2 through the inner O-ring 12.



LEGAL STATUS

[Date of request for examination] 16.06.1999

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number] 3384602

[Date of registration] 27.12.2002

[Number of appeal against examiner's decision of

BEST AVAILABLE COPY

rejection].

[Date of requesting appeal against examiner's decision
of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office